



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010606
CERTIFICATION DATE: November 14, 2013
DATE RECERTIFICATION DUE: May 13, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

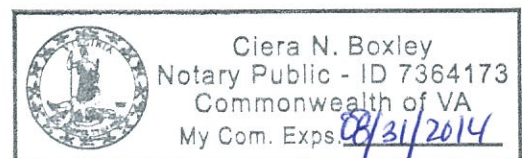
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of
December, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/19/2013

HMS
WJH

Instrument Serial Number:	010606	As of 19-Nov-13
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Maintenance Date	Certification Date	Technician Initials	Remarks
14-Nov-13	14-Nov-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
13-Sep-13	13-Sep-13	TLN (25387)	MOVED INSTRUMENT TO NEW LOCATION. FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
07-Jun-13	07-Jun-13	HMS (18910)	CERTIFIED
12-Dec-12	12-Dec-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
26-Jun-12	26-Jun-12	HMS (18910)	CERTIFIED
19-Jan-12	19-Jan-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
02-Aug-11	02-Aug-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Feb-11	08-Feb-11	RJP (22428)	CERTIFIED.
22-Oct-09	22-Oct-09	SED (24178)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Aug-09	12-Aug-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
10-Dec-08	10-Dec-08	HMS (18910)	CERTIFIED.
12-Nov-08	12-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

AMS
MSK

Instrument Serial Number 010606 Worksheet Start Date 11/14/2013
Location Dickenson County
Address 1019 Happy Valley Dr., Clintwood, VA 24228
DFS Technician Heather Stanton License No. 18910
☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no. New serial no. Supplies
E-Seek Mouthpieces
Keyboard Certificates of Analysis
Printer Operator Worksheet
UPS Other:

50
50

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010606

Certification Date 11/14/2013

Instrument Barometer (mm HG) 714

Reference Barometer (mm HG) 718

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.235	0.227	0.242	Sample 2	0.234
Precision		sample min	sample max	Sample 3	
0.001		0.234	0.235		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.141	0.136	0.145	Sample 2	0.141
Precision		sample min	sample max	Sample 3	
0		0.141	0.141		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.075	0.072	0.078	Sample 2	0.075
Precision		sample min	sample max	Sample 3	
0		0.075	0.075		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.019	0.016	0.022	Sample 2	0.018
Precision		sample min	sample max	Sample 3	
0		0.018	0.018		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-07

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.094	0.091	0.097	Sample 2	0.094
Precision		sample min	sample max	Sample 3	
0		0.094	0.094		

DFS Technician

Heath W. Stork Date11/19/13

Issuing Analyst

Melissa Kennedy Date11/23/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

TLN

HMS
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010606 Test Number: 254

Test Date: 11/14/2013 Test Time: 13:19 EST

Technician Initials: *HMS*

Dry Gas Target: 0.235

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 301 psi Barometric Pressure: 714 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:19
BLK	0.000	13:20
CHK	0.235	13:21
BLK	0.000	13:22
CHK	0.234	13:23
BLK	0.000	13:24
CHK	0.234	13:25
BLK	0.000	13:27

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
MDK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010606 Test Number: 255
Test Date: 11/14/2013 Test Time: 13:28 EST

Technician Initials: *HMS*

Dry Gas Target: *0.141*

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 860 psi Barometric Pressure: 714 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:29
BLK	0.000	13:29
CHK	0.141	13:30
BLK	0.000	13:32
CHK	0.141	13:32
BLK	0.000	13:34
CHK	0.141	13:35
BLK	0.000	13:36

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

hms
msk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010606 Test Number: 256

Test Date: 11/14/2013 Test Time: 13:38 EST

Technician Initials: *HMS*

Dry Gas Target: 0.075

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 865 psi Barometric Pressure: 714 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:38
BLK	0.000	13:39
CHK	0.075	13:40
BLK	0.000	13:41
CHK	0.075	13:42
BLK	0.000	13:43
CHK	0.075	13:44
BLK	0.000	13:45

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS

MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010606 Test Number: 257

Test Date: 11/14/2013 Test Time: 13:47 EST

Technician Initials: HMS

Dry Gas Target: 0.019

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 997 psi Barometric Pressure: 714 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:47
BLK	0.000	13:48
CHK	0.018	13:48
BLK	0.000	13:50
CHK	0.018	13:50
BLK	0.000	13:52
CHK	0.018	13:52
BLK	0.000	13:54

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

HMS
MIL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010606 Test Number: 258

Test Date: 11/14/2013 Test Time: 13:57 EST

Dry Gas Target: 0.281

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 223 psi Barometric Pressure: 713 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:58
CHK	0.284	13:59
BLK	0.000	14:00
CHK	0.284	14:01
BLK	0.000	14:03
CHK	0.284	14:04

Test Status: *Success*

Calibration CRC: 35EC39BD

AMS

WKL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010606 Test Number: 259

Test Date: 11/14/2013 Test Time: 14:06 EST

Dry Gas Target: 0.094

Lot Number: AG320502-07 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 713 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:07
CHK	0.094	14:08
BLK	0.000	14:09
CHK	0.094	14:10
BLK	0.000	14:11
CHK	0.094	14:12

Test Status: *Success*

Calibration CRC: 35EC39BD




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials: MSK

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/14/2013
TEST EQUIPMENT NUMBER 010606		

RESULTS: TIME SAMPLE TAKEN 14:20 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Nov 2013 at 13:30

Handwritten initials: JMS and MSK

Test Results

Instrument Serial Number 010606

Test # 000260 Subject Test

Test Location 1 Department of
Test Date 14 Nov 2013

Test Location 2 Forensic Science
Test Time 14:13
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab
Card Serial Number 118910
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number

Operator's First Name HEATHER
Operator's Middle Initial M
License Number 18910

Effective Date 10/01/2012 Expiration Date 10/01/2014

Subject's First Name TEST
Subject's Date of Birth 00/00/0000 Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 14 Nov 2013 End Time 14:21

Result Time 14:20

Result Date 14 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:14

Data Type BLK

Sample Value 0.000

Sample Time 14:15

Data Type CHK

Sample Value 0.094

Sample Time 14:15

Data Type BLK

Sample Value 0.000

Sample Time 14:17

Data Type SUBJ

Sample Value 0.000

Sample Time 14:17

Data Type BLK

Sample Value 0.000

Sample Time 14:18

Data Type SUBJ

Sample Value 0.000

Sample Time 14:20

Data Type BLK

Sample Value 0.000

Sample Time 14:21

Standard Type Dry Gas Std

Standard Value 0.094

Standard Lot Number AG320502-07

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 713 mmHg

Blow Sample Number 1 Blow Duration 3.38 sec

Blow Volume 1719 cc End-of-Blow Time 14:17

Blow Sample Number 2 Blow Duration 3.58 sec

Blow Volume 1814 cc End-of-Blow Time 14:20

Tamper Evident Stamp edfb5253

Test Status Code 0

Test Status Success